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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/747,428	12/22/2000	Neelam N. Vaidya	0007056-0174/P5701NP/ARG/	1488

7590 02/24/2003

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[REDACTED] EXAMINER

AL HASHEMI, SANA A

ART UNIT	PAPER NUMBER
2171	

DATE MAILED: 02/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)	
09/747,428	VAIDYA ET AL.	
Examiner	Art Unit	
Sana Al-Hashemi	2171	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 23 January 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-20 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|--|
| <p>1) <input type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.</p> | <p>4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
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DETAILED ACTION

1. This is in response to the amendment filed on 1/23/03 in which claims 1- 20 are present for examination.
2. Applicant's arguments filed January 23, 2003 have been fully considered but they are not persuasive.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1-20 are rejected under 35 U.S.C. 102 (e) as being anticipated by Bunnell (US Parent No. 6,119,122)

Art Unit: 2171

1. Regarding Claim 1, 6, 11, and 16, Bunnell discloses a method for managing a plurality of nodes in a layered hierarchically organized database stored in a server on a computer network comprising:

accessing a subset of said nodes in response to a client request (see column 5, lines 21-27, Bunnell);

modifying one or more state attributes associated with said nodes to control merging (see column 7, lines 1-5, Bunnell); and update of layers to resulting layered hierarchically database in response to said client request (see column 7, lines 25-30, Bunnell); and

managing said nodes using said state attributes (see column 6, lines 8-10, Bunnell).

2. Regarding Claims 2, 7, 12, and 17, Bunnell discloses a method wherein said state attributes indicate that a corresponding data element should be updated (see column 7, lines 26-30, Bunnell).

3. Regarding Claims 3, 8, 13, and 18, Bunnell discloses a method wherein said state attributes indicate that a corresponding data element should be deleted (see column 12, lines 46-49, Bunnell).

4. Regarding Claim 4, 9, 14, and 19, Bunnell discloses a method wherein said state attributes indicate that a corresponding data element should be added (see column 12, lines 43-44, Bunnell).

5. Regarding Claims 5, 10, 15, and 20, Bunnell discloses a method wherein said nodes are organized using a Document Object Model (see column 10, lines 46-53, Bunnell).

Examiner Response

Examiner respectfully traverses applicant's primary argument (s).

3. Referring to independent claims 1, 6, 11, and 16, applicant argues that the Bunnell does not teach or suggest the claim elements a layered hierarchical database, and using state attributes to control the merging and updating of the layers when a client request is received. The Examiner disagrees, referring to (column 6, lines 17-44, Bunnell) predicate clearly determines the tree structure and partitions does correspond to the layers of the hierarchical¹.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

¹ Layer is a protocol operating at a particular level within a protocol suite. Each layer is responsible for providing specific services or function for computer exchanging information over a communication network. See Microsoft computer dictionary fifth addition 2002.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Points of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sana Al-Hashemi whose telephone number is (703) 305-4881. The examiner can normally be reached on Monday - Friday from 8:00 AM to 4:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic, can be reached on (703) 308-1436. Any response to this office action should be mailed to: The Commissioner of Patents and Trademarks, Washington, D.C. 20231. Or telefax at phone number (703) 746-9098. For formal or draft communications, please label "PROPOSED" or "DRAFT". Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, 6th Floor Receptionist, Arlington, Virginia. 22202.

Sana Al-Hashemi
Patent Examiner
Technology Center 2100
February 19, 2003



SAFET METJAHIC
SUPERVISORY PATENT EXAMINER
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